

REQUEST FOR RECONSIDERATION IN RESPONSE TO OFFICE ACTION DATED MAY 5, 2008
APPLICATION NO. 10/538,784
ATTORNEY DOCKET NO. 0470.0010C (MSK0007-US)

Listing of Claims:

1-13. (canceled)

14. (Original) Apparatus for preparing a signal, which has been received at a wireless communications device, to be processed by a receiver which will attempt to recover information conveyed by the signal, the apparatus comprising a filter adapted to filter the signal in a digital form having samples appearing at a sample rate and an adjuster adapted to adjust the sample rate, wherein the filter is capable of filtering the signal in a first manner which is required when the receiver is of a first type and in a second manner which is required when the receiver is of a second type, the adjuster is adapted to perform adjustments to the sample rate when the receiver is of the second and not the first type and the adjustments comprise altering the sample rate before the signal is filtered to permit the filter to perform filtering in the second manner and altering the sample rate after the signal has been filtered to provide the signal with a sample rate required by the second type of receiver.

15. (Original) Apparatus according to claim 14, wherein the adjuster is adapted to change to said sample rate by a fractional factor.

16. (Original) Apparatus according to claim 14, wherein the filter comprises an FIR filter with adjustable tap coefficients which can be adjusted to allow the filter to perform filtering in the first manner and in the second manner.

17. (Original) Apparatus according to claim 14, wherein the filter is adapted to correct errors introduced by the adjuster.

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18. (Original) Apparatus according to claim 14, wherein the first type of receiver is a receiver operating according to a 3G telecommunications standard and comprising a rake receiver for operating on the signal and the second type of receiver is a receiver operating according to a 2G telecommunications standard and comprises an equaliser for operating on the signal.

19. (Original) A participant for a wireless communications network, the participant comprising the apparatus of claim 14.

20. (Original) A method of preparing a signal, which has been received at a wireless-communications device, to be processed by a receiver which will attempt to recover information conveyed by the signal, the method comprising filtering the signal in a digital form having samples appearing at a sample rate using a filter capable of filtering the signal in a first manner when the receiver is of a first type and in a second manner when the receiver is of a second type and making sample rate adjustments to the signal when filtering is to be performed in the second manner but not when filtering is to be performed in the first manner, wherein said adjustments comprise adjusting the sample rate before the signal is filtered to permit the filter to perform filtering in the second manner and adjusting the sample rate after the signal has been filtered to provide the signal with a sample rate required by the second type of receiver.

21. (Original) A method according to claim 20, wherein said adjustments are arranged to change to said sample rate by a fractional factor.

22. (Original) A method according to claim 20, wherein the filter comprises an FIR filter with adjustable tap coefficients which can be adjusted to allow the filter to perform filtering in the first manner and in the second manner.

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23. (Original) A method according to claim 20, wherein the first type of receiver is a receiver operating according to a 3G telecommunications standard and comprising a rake receiver for operating on the signal and the second type of receiver is a receiver operating according to a 2G telecommunications standard and comprises an equaliser for operating on the signal.

24. (Original) A mixed signal section for a participant for a wireless communications network, the mixed signal section comprising the apparatus of claim 14.